

Foster Wheeler Environmental Corporation  
Idaho Spent Fuel (ISF) Facility  
NRC Site Visit July 31–August 1, 2002  
Docket No. 72-25

# Introduction & Welcome

Ron Izatt

ISF Project Manager

# FWENC Attendees

Ron Izatt	Project Manager
Dean Siddoway	Deputy Project Manager
Randy Roberts	Chief Design Engineer
Jim Saldarini	Licensing Manager
Phil Bartley	ES&H Manager (Acting)
Dean Tulberg	Project Engineer

# FWENC Consultants

Dr. Roger Blew

Dan Howard

Les Dugay

S.M. Stoller Corporation

RIO Technical Services

RIO Technical Services

# DOE-Idaho Attendees

Frank Schwartz	ISF Project Manager
Barbara Beller	ISF Project Engineer
Jan Hagers	TMI-2/FSV Licensing Manager/ ISF Project Engineer
Charles Maggart	Deputy Licensing Manager/ ISF Project Engineer
Bob Creed	Geologist
Roger Twitchell	NEPA Compliance Officer

# DOE Privatized Project

- FWENC's Roles
  - Designer
  - Licensee
  - Constructor
  - Operator
- DOE-Idaho's Roles
  - Customer/Fuel Owner
  - Fuel transport to facility
  - D&D responsibility
  - Indemnification

# FWENC ISF Project Team

**FOSTER  WHEELER**

**ALstec**  
systems technology

 **UTILITY  
ENGINEERING**

  
**RWE  
Solutions**  
RWE NUKEM Ltd

  
**RIO**  
TECHNICAL SERVICES, INC.

**Winston & Strawn**

- **22 Privatization Projects - Totaling \$4 Billion. Constructed Fort St. Vrain**
- **3 ISFSIs - Over 300,000 Fuel Elements Stored. Designed Fort St Vrain**
- **Previous Fort St. Vrain Operator (via PSC) - 1,482 Fuel Elements Processed and Stored**
- **Designs, Builds, and Operates Fuel Handling Facilities**
- **Experienced in Part 50, 71 and 72 Licenses**
- **Regulatory and legal support to numerous licensees**

# Discussion of Activities

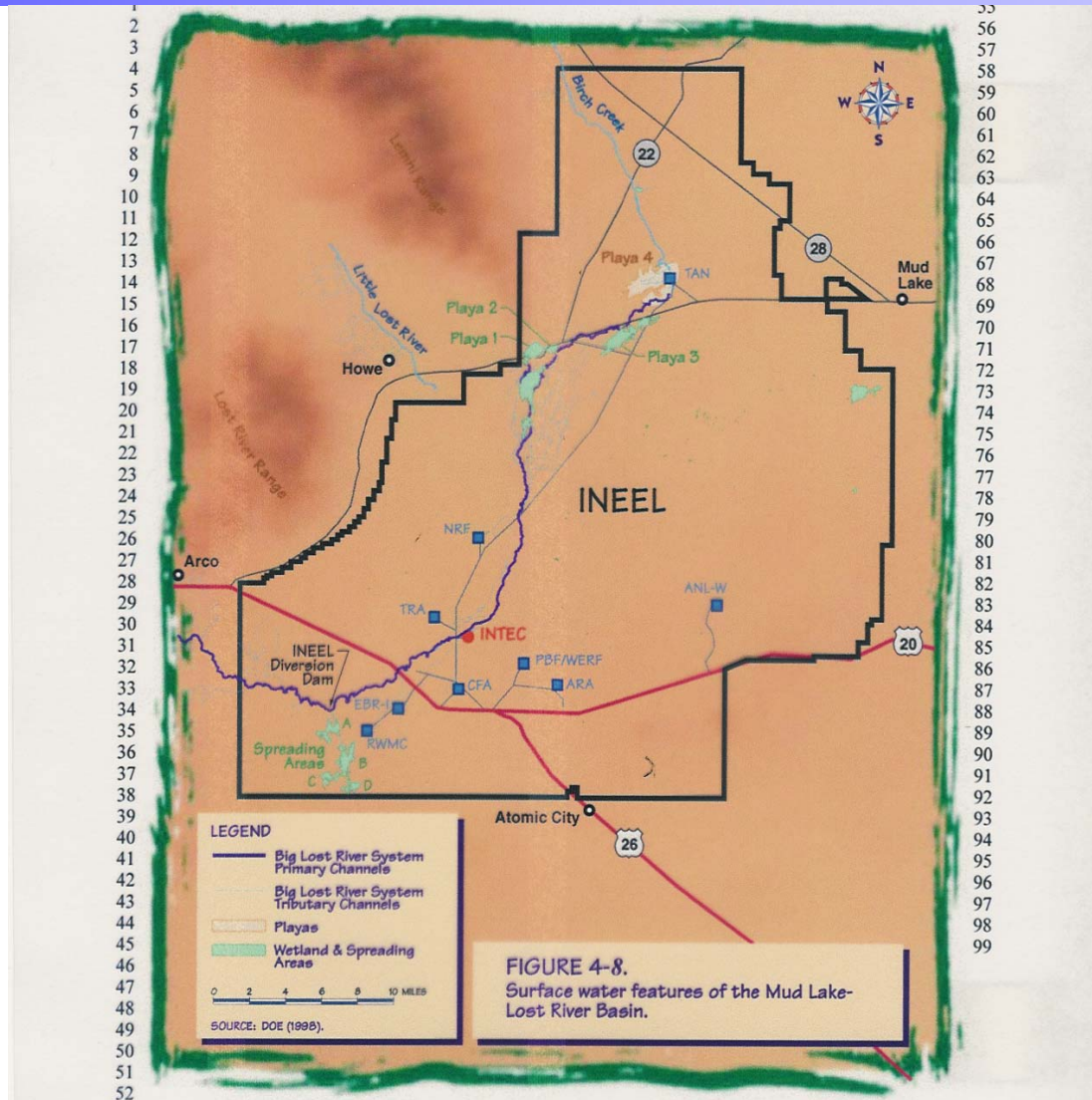
Jim Saldarini  
Licensing Manager



# Agenda: July 31, 2002

8:00 - 8:15 am	Introduction & Project Summary
8:15 - 8:30 am	Activities Planned
8:30 - 9:00 am	ISF Facility Overview
9:00 - 9:15 am	ISF Facility Site Description
9:15 - 9:45 am	INEEL Site Description
9:45-11:45 am	Travel to Site / DOE badges
11:45-12:15 pm	Lunch @ INTEC cafeteria
12:15 - 1:30 pm	INTEC Site Tour
1:30 - 2:30 pm	ISF Site Tour
2:30 - 3:30 pm	INEEL Site Tour
3:30 - 4:15 pm	Travel to Mackay Dam
4:15 - 4:45 pm	Mackay Dam Tour

# Tour Map



# Tour Map

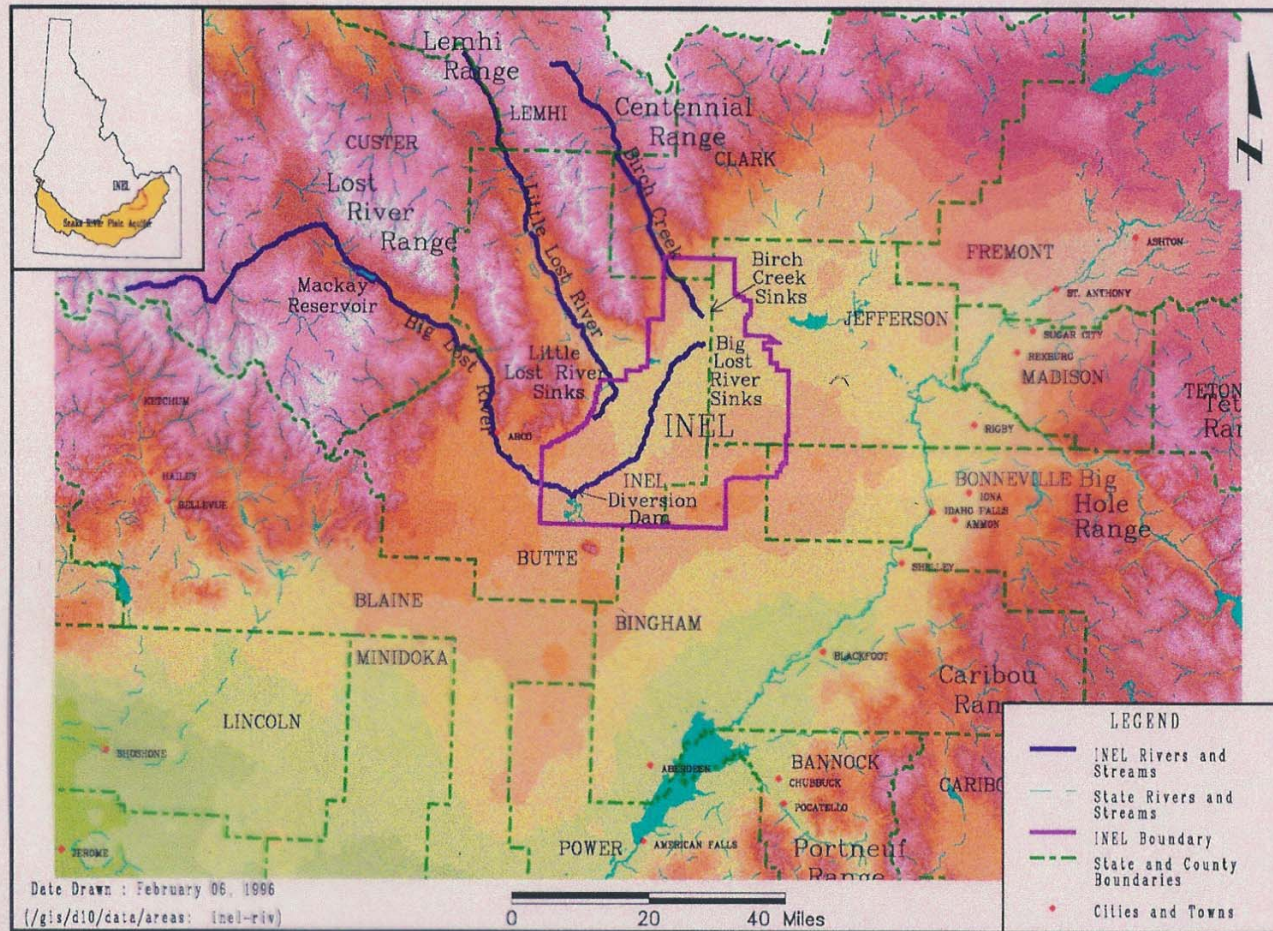


Figure 2-2. Locations of the Big Lost River, Little Lost River, and Birch Creek.

# **Agenda: August 1, 2002**

8:00am to 12:00pm

Meeting to discuss topics of interest, and  
any questions raised during site tour



# ISF Facility Overview

Randy Roberts  
Chief Design Engineer

# ISF Facility Site

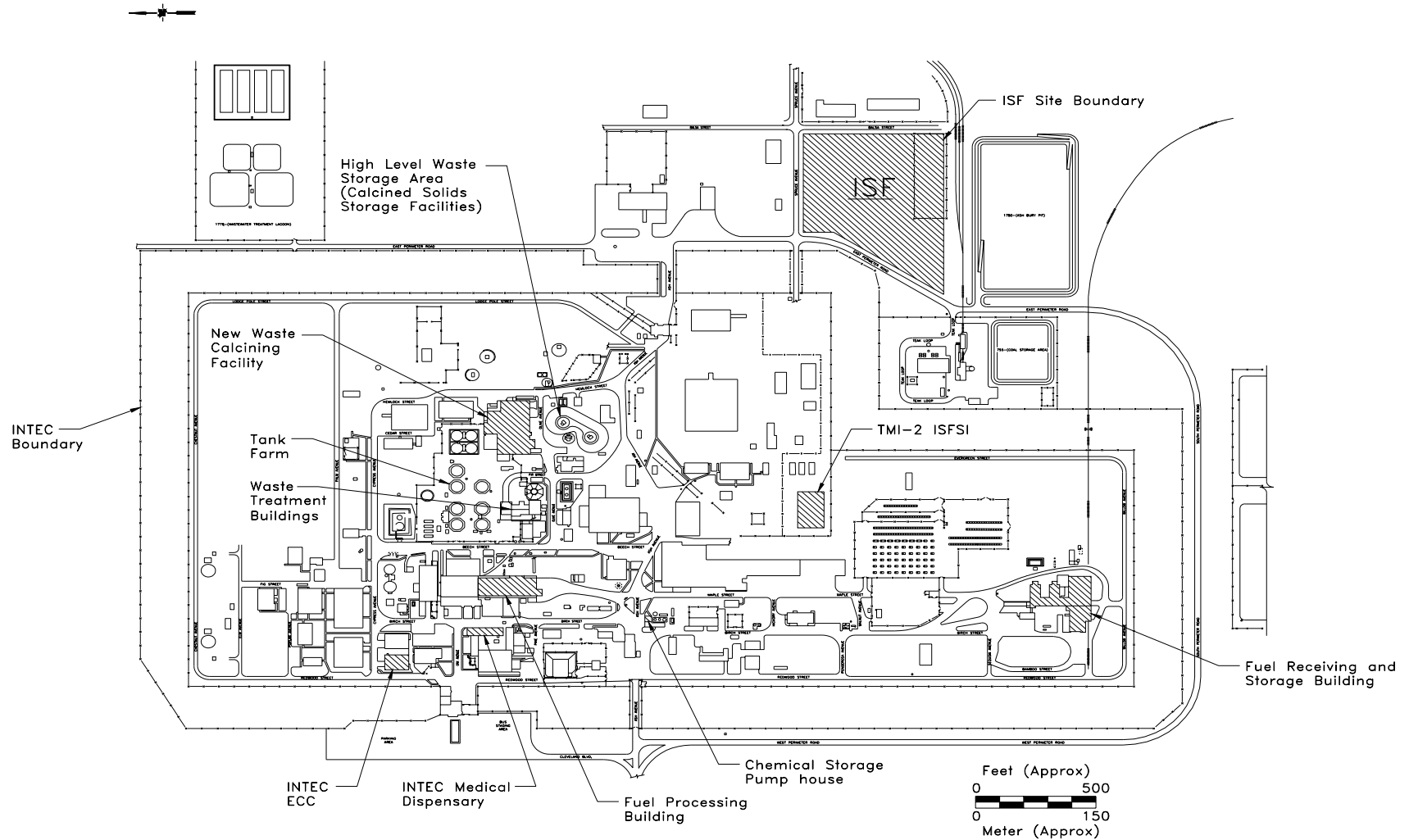


July 31, 2002

Foster Wheeler Environmental Corporation

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# INTEC Area Plot and Location of ISF Site

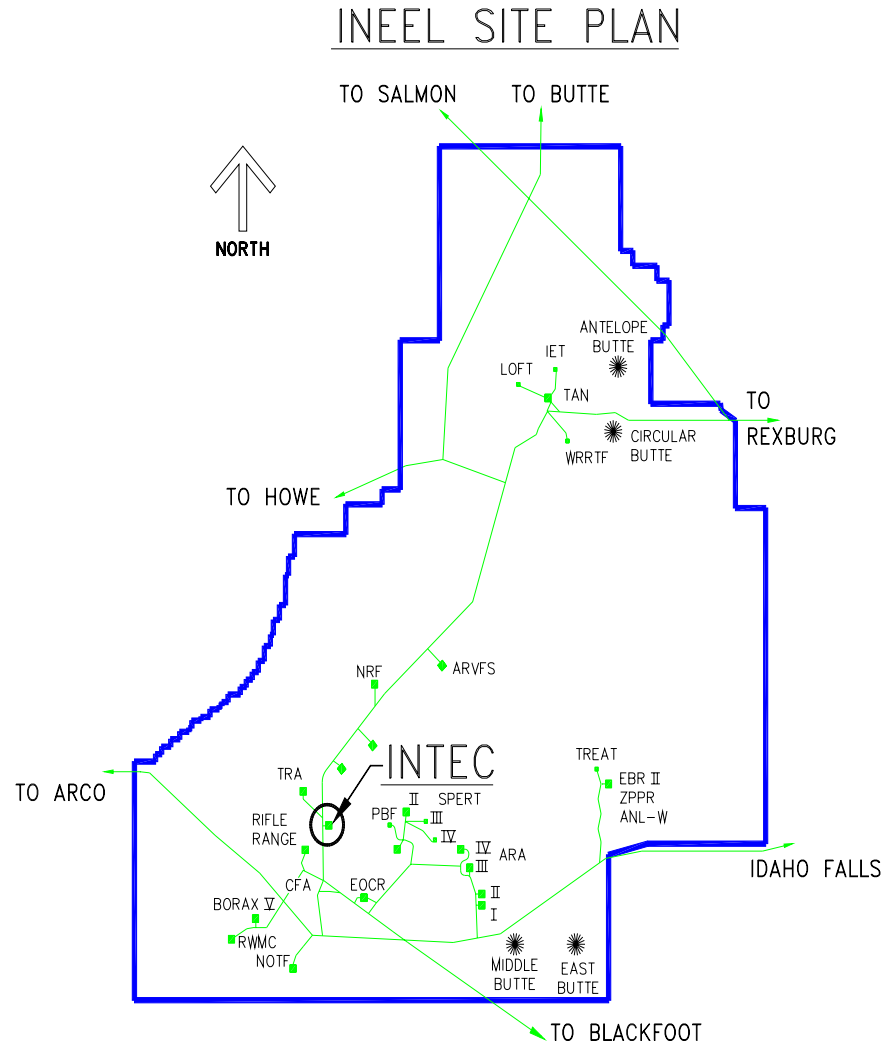


# TMI-2/ISF Relationship

- Physical location relative to TMI-2 ISFSI
  - Both facilities on INEEL Site
  - TMI-2 located within Idaho Nuclear Technology and Engineering Center (INTEC)
  - ISF located immediately adjacent to INTEC
  - Approximately 500 yards apart
- DOE-ID Shared Resources
  - Physical Protection
  - Emergency Planning and Response
  - Controlled Area Boundary



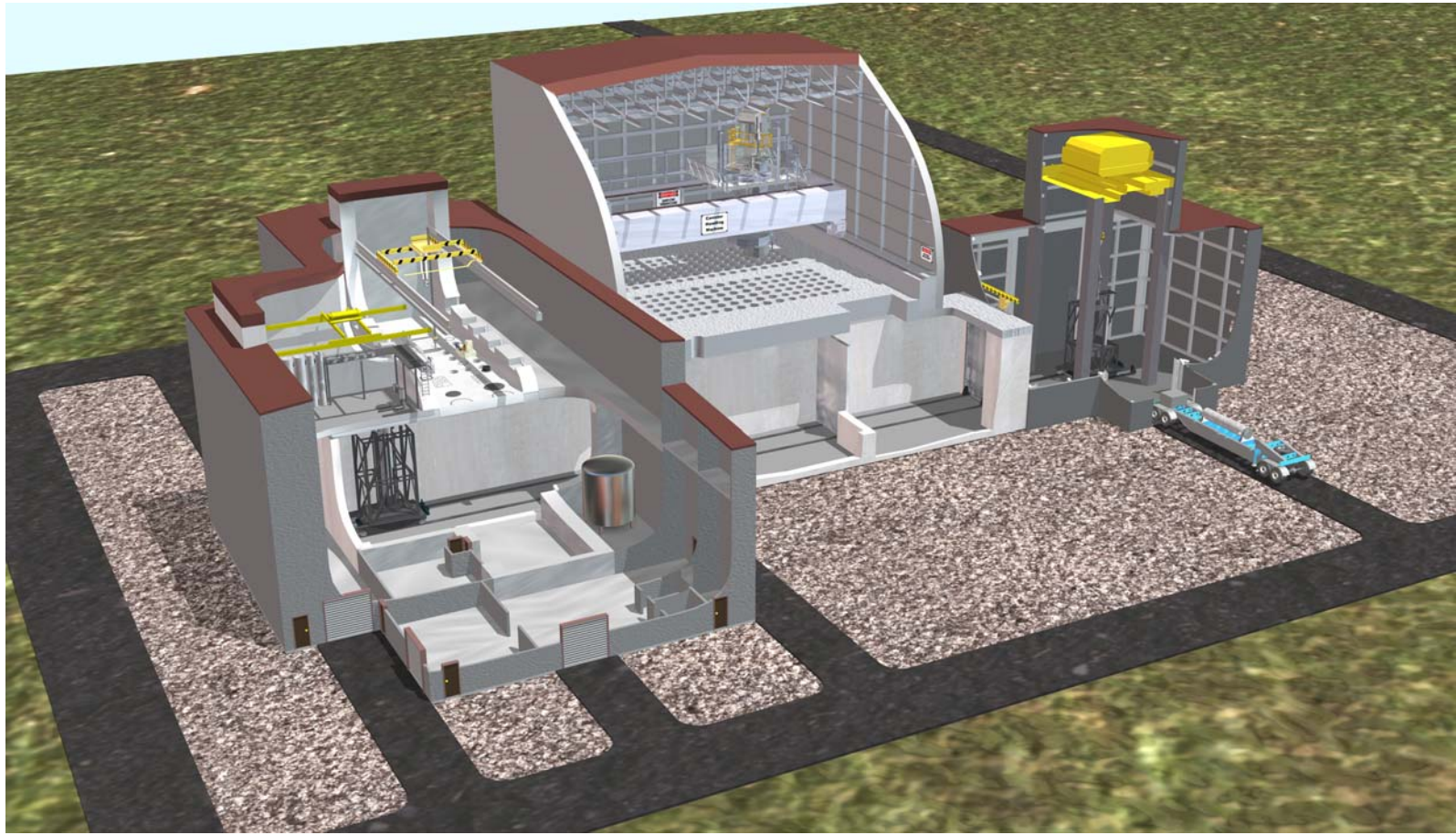
# Site Location/Controlled Area Boundary



# ISF Facility Design Objectives

- Protect public and worker health and safety
  - Minimize consequences of design basis accidents
  - Provide recovery features for key equipment
  - Passive accident mitigation features
  - ALARA
- Use demonstrated and licensed technologies
- Provide double confinement for spent nuclear fuel
- Integrate fuel transfer and storage to support year-round operations

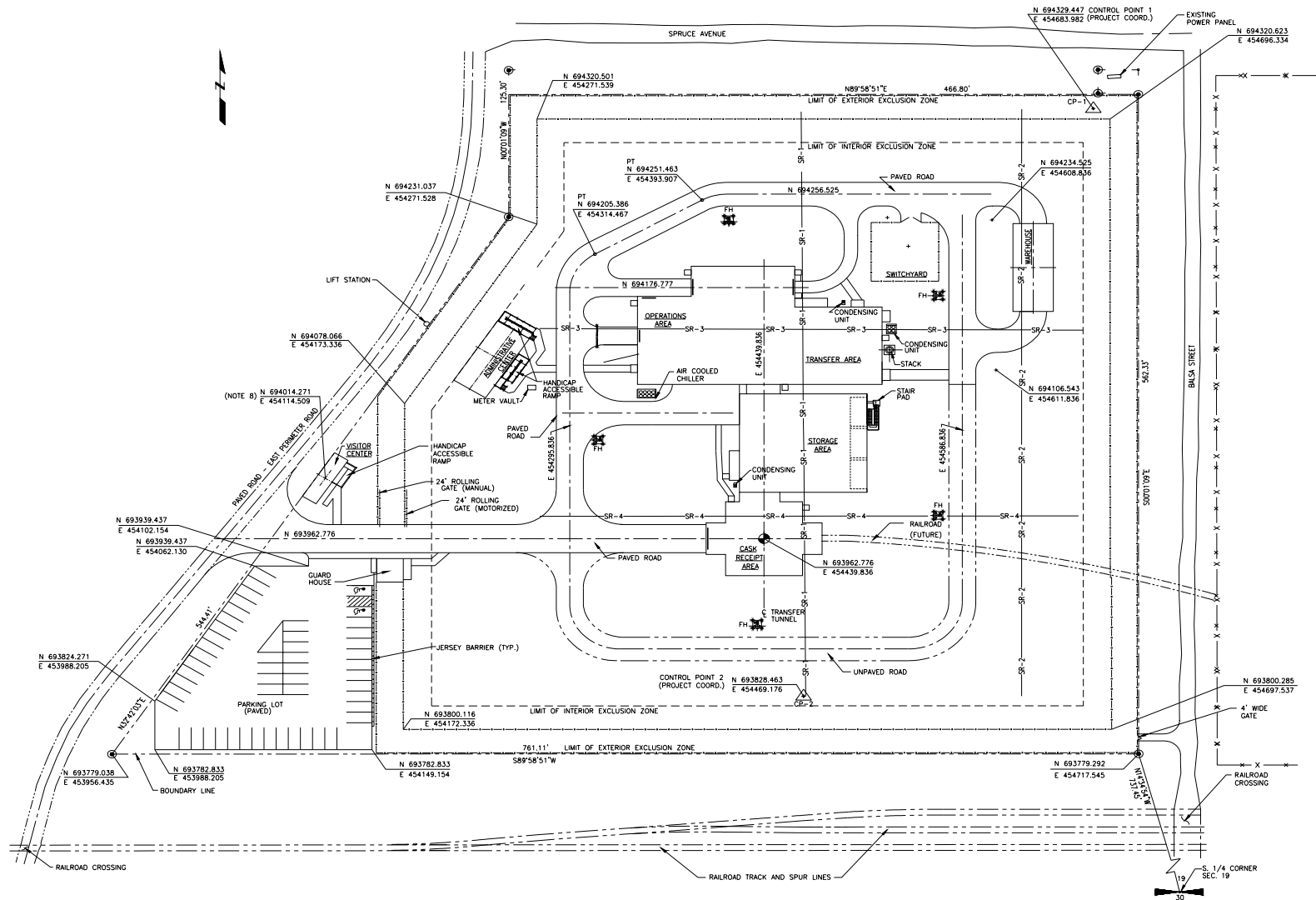
# Facility Operations Animation



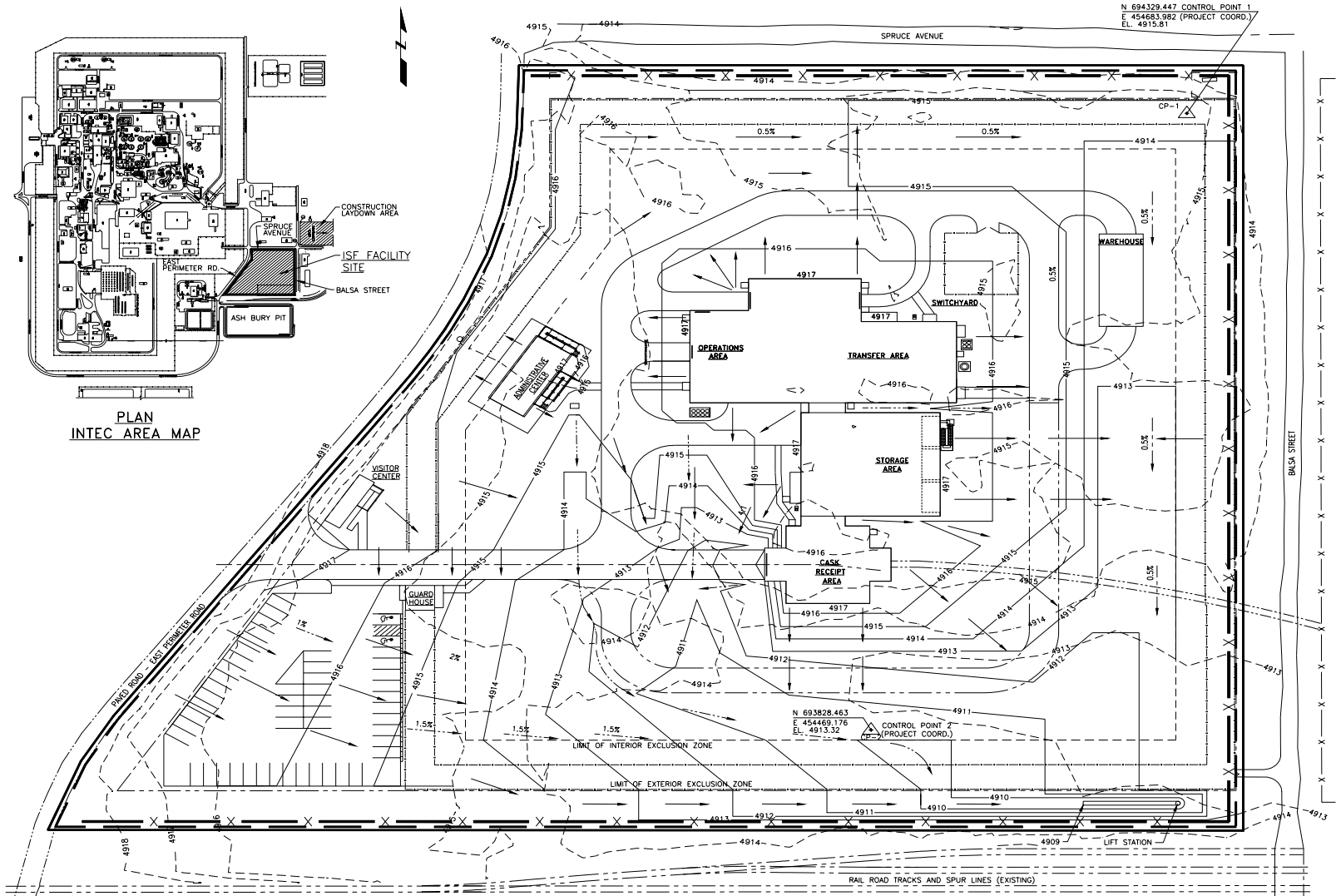
# ISF Facility Site Description

Dean Siddoway  
Deputy Project Manager

# ISF Facility Site Plan

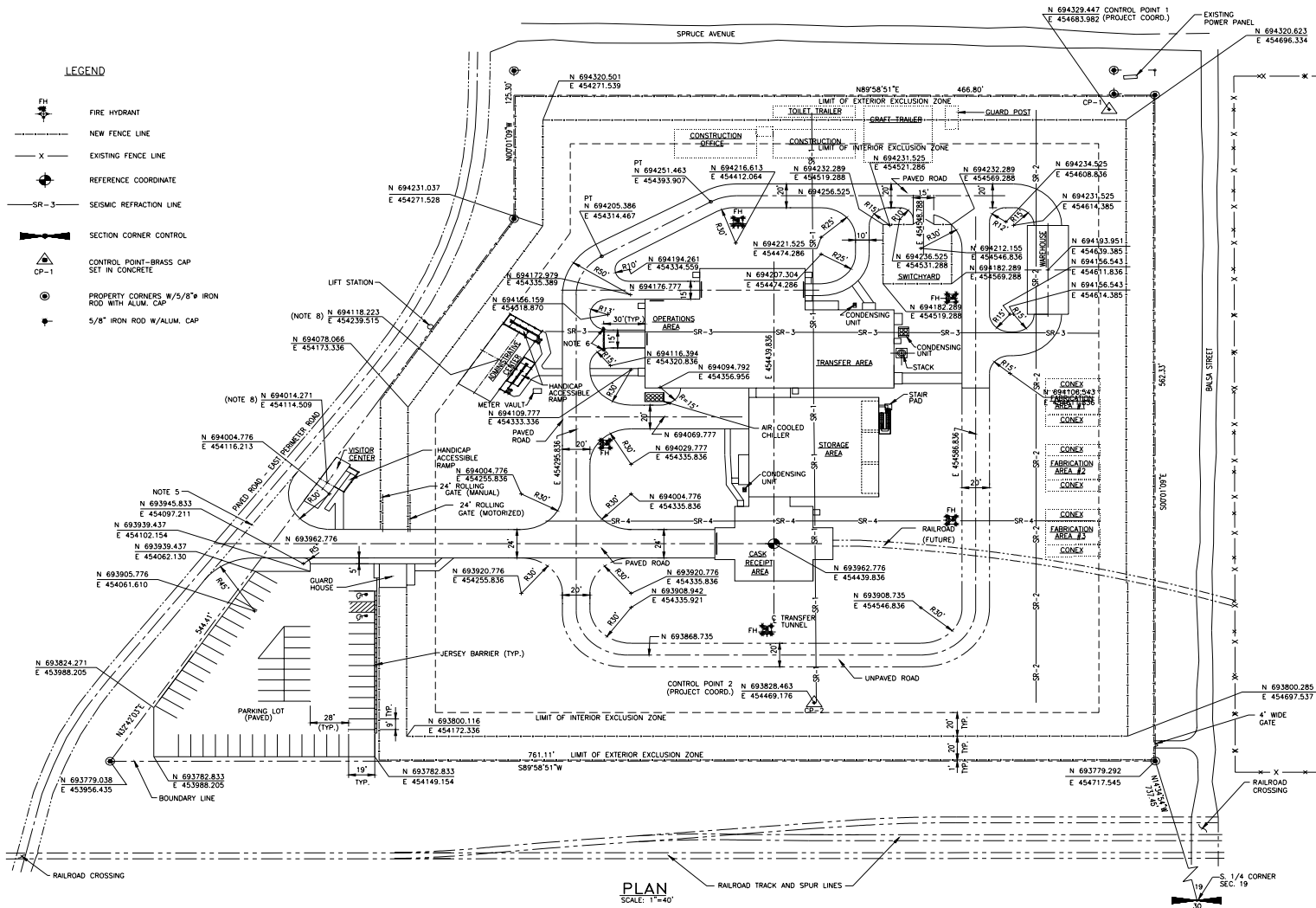


# ISF Facility Storm Water Pollution Prevention Plan During Construction





# ISF Proposed Construction Layout



# INEEL Facilities Overview

Jan Hagers  
DOE-Idaho